

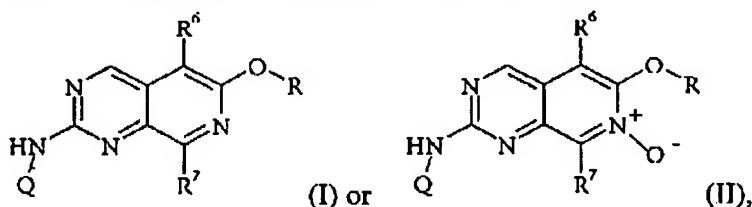
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SEP 28 2006 PATENT

Dewdney, et al.
R0164B-REG

WHAT IS CLAIMED:

1. (Currently amended) A compound having the Formula (I) or (II):



or an isomer, prodrug, or a pharmaceutically-acceptable salt thereof, wherein:

R is selected from:

- (a) alkyl optionally-substituted with one to three of R¹⁷;
- (b) cycloalkyl optionally substituted with one, two or three groups selected from R¹⁸; and
- (c) optionally-substituted aryl;

Q is selected from alkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, substituted heterocyclyl, and alkyl substituted with one, two or three of halogen, cyano, -OR⁸, -SR⁸, -C(=O)R⁸, -C(O)₂R⁸, -C(=O)NR⁸R⁹, -S(O)_pR¹⁰, -C(O)₂NR⁸R⁹, -S(O)₂NR⁸R⁹, -NR⁸R⁹, cycloalkyl, substituted cycloalkyl, heterocyclyl, and/or substituted heterocyclyl;

R⁶ is hydrogen or lower alkyl;

R⁷ is selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, hydroxy, alkoxy, haloalkoxy, amino, alkylamino, and optionally-substituted cycloalkyl, heterocyclyl, aryl, or heteroaryl;

R⁸ and R⁹ are (i) independently selected from hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, and substituted heterocyclyl; or (ii) when R⁸ and R⁹ are attached to the same nitrogen atom (as in -C(O)₂NR⁸R⁹, -S(O)₂NR⁸R⁹, and -NR⁸R⁹), R⁸ and R⁹ may be taken together to form an optionally-substituted heterocyclyl ring;

R¹⁰ is alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, or substituted heterocyclyl;

Dewdney, et al.
R0164B-REG

PATENT

R^{17} is at each occurrence independently selected from halogen, haloalkoxy, haloalkyl, alkoxy, or optionally-substituted phenyl, benzyl, phenyloxy, benzyloxy, or cycloalkyl;

R^{18} is at each occurrence independently selected from alkyl, substituted alkyl, halogen, haloalkyl, haloalkoxy, cyano, alkoxy, acyl, alkoxycarbonyl, alkylsulfonyl, or optionally-substituted phenyl, phenyloxy, benzyloxy, cycloalkyl, heterocyclyl, or heteroaryl; and

p is 1 or 2.

2. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

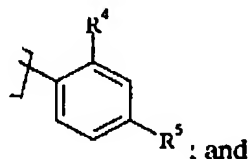
Q is selected from an alkyl or substituted alkyl having the formula $-C(R^1R^2R^3)$;

R^1 , R^2 and R^3 are selected from hydrogen, alkyl, hydroxyalkyl, alkoxyalkyl, $-(C_{1-4}\text{alkylene})-S(O)_pR^{10}$, $-(C_{1-4}\text{alkylene})-C(O)_2R^8$, cycloalkyl, cycloalkylalkyl, heterocyclyl, or heterocycloalkyl, wherein said cycloalkyl and heterocyclyl groups are, in turn, optionally substituted with up to one of R^{12} and up to one of R^{14} ; and

R^{12} and R^{14} are independently selected where valence allows from $C_{1-4}\text{alkyl}$, hydroxy, oxo ($=O$), $-O(C_{1-4}\text{alkyl})$, $-C(=O)H$, $-C(=O)(C_{1-4}\text{alkyl})$, $-C(O)_2H$, $-C(O)_2(C_{1-4}\text{alkyl})$, and $-S(O)_2(C_{1-4}\text{alkyl})$.

3. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R is phenyl substituted with one to two of lower alkyl, halogen, haloalkyl, haloalkoxy, cyano, and nitro.

4. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R is:



R^4 and R^5 are selected from halogen, haloalkyl, haloalkoxy, and cyano.

Dowdney, et al.
R0164B-REG

PATENT

5. (Currently amended) A compound according to claim 4, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

R⁴ and R⁵ are both halogen.

6. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R⁶ and R⁷ are both hydrogen.

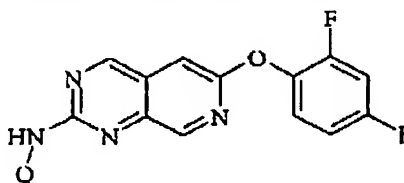
7. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is C₁₋₆alkyl or hydroxy(C₁₋₆alkyl).

8. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is an optionally-substituted C₃₋₇cycloalkyl or an optionally-substituted heterocyclic ring.

9. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

Q is cyclohexyl, piperidin-4-yl, or tetrahydropyran-4-yl, wherein each of said rings in turn is optionally-substituted with up to two of lower alkyl, -OH, -C(O)₂(C₁₋₄alkyl) and/or -S(O)₂(CH₃).

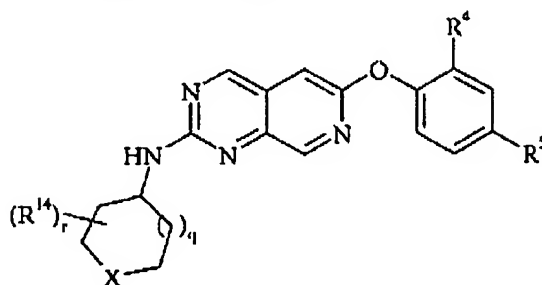
10. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, having the formula:



Dewdney, et al.
R0164B-REG

PATENT

11. (Currently amended) A compound according to claim 1, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, having the formula:



wherein:

X is $-O-$, $-C(=O)-$, $-N(R^{12a})-$, or $-CH(R^{12b})-$;

R^{12a} is selected from hydrogen, C_{1-4} alkyl, $-C(=O)R^{15}$, $-C(O)_2R^{15}$, and $-S(O)_2(C_{1-4}alkyl)$;

R^{12b} is selected from hydrogen, C_{1-4} alkyl, $-OR^{15}$, $-C(=O)R^{15}$, $-C(O)_2R^{15}$, and $-S(O)_2(C_{1-4}alkyl)$;

R^{14} is selected from C_{1-4} alkyl, oxo ($=O$), $-OR^{15}$, $-C(=O)R^{15}$, $-C(O)_2R^{15}$, and $-S(O)_2(C_{1-4}alkyl)$;

R^{15} is selected from hydrogen and C_{1-4} alkyl;

q is 0 or 1; and

r is 0, 1 or 2.

12. (Currently amended) A compound according to claim 11, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

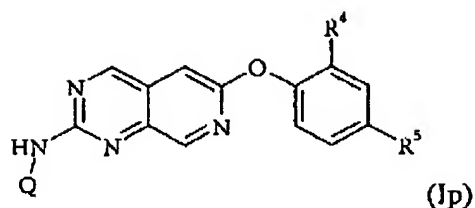
R^4 and R^5 are both fluoro.

13. (Currently amended) A compound according to claim 11, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein X is $-NR^{12a}$, R^{12a} is $-S(O)_2(C_{1-4}alkyl)$, and q is 1.

14. (Currently amended) A compound having the formula (Ip),

Dewdney, et al.
R0164B-RFG

PATENT



or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein:

Q is alkyl, substituted alkyl or an optionally-substituted cycloalkyl or heterocyclyl, provided Q is not arylalkyl or heteroarylalkyl ; and

R⁴ and R⁵ are both halogen [[:]] .

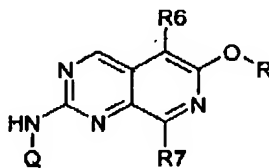
15. (Currently amended) A compound according to claim 14, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein R⁴ and R⁵ are both fluoro.

16. (Currently amended) A compound according to claim 14, or ~~an isomer, prodrug, or a~~ pharmaceutically-acceptable salt thereof, wherein Q is an optionally-substituted monocyclic cycloalkyl or heterocyclyl ring.

17. (Currently amended) A pharmaceutical composition comprising a therapeutically effective amount of compound according to Claim 1, or a pharmaceutically-acceptable salt thereof, in combination with a pharmaceutically-acceptable excipient.

18-20. (Canceled)

21. (Original) A process for preparing a compound of formula (I)



wherein R is selected from:

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Dewdney, et al.
R0164B-REG

PATENT

- (a) alkyl optionally-substituted with one to three of R¹⁷;
- (b) cycloalkyl optionally substituted with one, two or three groups selected from R¹⁸; and
- (c) optionally-substituted aryl;

Q is selected from alkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, substituted heterocyclyl, and alkyl substituted with one, two or three of halogen, cyano, -OR⁸, -SR⁸, -C(=O)R⁸, -C(O)₂R⁸, -C(=O)NR⁸R⁹, -S(O)_pR¹⁰, -C(O)₂NR⁸R⁹, -S(O)₂NR⁸R⁹, -NR⁸R⁹, cycloalkyl, substituted cycloalkyl, heterocyclyl, and/or substituted heterocyclyl;

R⁶ is hydrogen or lower alkyl;

R⁷ is selected from hydrogen, alkyl, substituted alkyl, halogen, cyano, nitro, hydroxy, alkoxy, haloalkoxy, amino, alkylamino, and optionally-substituted cycloalkyl, heterocyclyl, aryl, or heteroaryl;

R⁸ and R⁹ are (i) independently selected from hydrogen, alkyl, haloalkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, and substituted heterocyclyl; or (ii) when R⁸ and R⁹ are attached to the same nitrogen atom, R⁸ and R⁹ may be taken together to form an optionally-substituted heterocyclyl ring;

R¹⁰ is alkyl, hydroxyalkyl, alkoxyalkyl, cycloalkyl, substituted cycloalkyl, heterocyclyl, or substituted heterocyclyl;

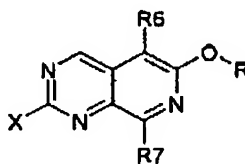
R¹⁷ is at each occurrence independently selected from halogen, haloalkoxy, haloalkyl, alkoxy, or optionally-substituted phenyl, benzyl, phenyloxy, benzyloxy, or cycloalkyl;

R¹⁸ is at each occurrence independently selected from alkyl, substituted alkyl, halogen, haloalkyl, haloalkoxy, cyano, alkoxy, acyl, alkoxycarbonyl, alkylsulfonyl, or optionally-substituted phenyl, phenyloxy, benzyloxy, cycloalkyl, heterocyclyl, or heteroaryl; and

p is 1 or 2;

wherein said process comprises:

- (i) providing a compound of formula (8); and



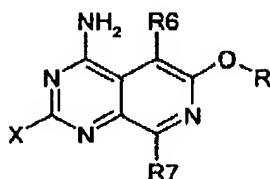
Dewdney, et al.
R0164B-REG

PATENT

where X is a leaving group; and

(ii) contacting said compound of formula (8) with a compound of the formula NH_2Q in a polar, aprotic solvent.

22. (Original) The process of claim 21, wherein said compound of formula (8) is provided by treating a compound of formula (7) with *t*-butylnitrite:



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